

5 Figure 1 Human Resistin Polynucleotide (SEQ ID NO: 1)

ATGAAAGCTCTGTCTCCTCCCTGGGCTGTTGGTCTAGCAAGACCCT
GTGCTCCATGGAAGAAGCCATCAATGAGAGGATCCAGGAGGTCGCCGGCTCCCTAATATT
GGGCAATAAGCAGCATTGGCCTGGAGTGCCAGAGCGTCACCTCCAGGGGGGACCTGGCTACT
TGCCCCCGAGGCTTCGCCGTACCGGCTGCACTTGTGGCTCCGCCTGTGGCTCGTGGATGT
10 GCGCGCCGAGACCACATGTCACTGCCAGTGCAGGGCATGGACTGGACCGGAGCGCGCTGCT
GTCGTGTGCAGCCCTGA

Figure 2 Human Resistin Polypeptide (SEQ ID NO: 2)

MKALCLLLLPVLGLLVSSKTLCSMEEAINERIQEVASLIFRAISSIGLECQSVTSRGDLAT
15 CPRGFAVTGCTCGSACGSWDVRAETTCHCQCAGMDWTGARCCRVQP*

Figure 3 Mature Human Resistin Polypeptide (SEQ ID NO: 3)

KTLCSMEEAINERIQEVASLIFRAISSIGLECQSVTSRGDLATCPRGFAVTGCTCGSACGS
WDVRAETTCHCQCAGMDWTGARCCRVQP*

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Figure 4 Clustal W Alignment of Resistin-like Proteins

			100.0%	MKALCLLLPVLGLLVSSKTLCSMEEAINERIQEVA GSLIFRAISSIGLE
10	WO9858061		99.1%	MKALCLLLPVLGLLVSSKTLCSMEEAINERIQEVA GSLIFRAISSIGLE
	WO9911293		100.0%	MKALCLLLPVLGLLVSSKTLCSMEEAINERIQEVA GSLIFRAISSIGLE
	resistin		99.1%	MKALCLLLPVLGLLVSSKTLCSMEEAINERIQEVA GSLIFRAISSIGLE
	WO0005259		96.3%	MKALCLLLPVLGLLVSSKTLCSMEEAINERIQEVA GSLIFRAISSIGRQ
	WO9931236			MKALCLLLPVLGLLVSSKTLCSMEEAINERIQEVA GSLIFRAISSIGXX
15	consensus/100%			MKALCLLLPVLGLLVSSKTLCSMEEAINERIQEVA GSLIFRAISSIGLE
	consensus/80%			MKALCLLLPVLGLLVSSKTLCSMEEAINERIQEVA GSLIFRAISSIGLE
			100.0%	CQS VTSRGDLATCPRGF AVTGCTCGSACGSWDV RAETTCHCQCAGMDWTG
20	WO9858061		99.1%	CQS VTSRGDLATCPRGF AVTGCTCGSACGSWDV RAETTCHCQCAGMDWTG
	WO9911293		100.0%	CQS VTSRGDLATCPRGF AVTGCTCGSACGSWDV RAETTCHCQCAGMDWTG
	resistin		99.1%	CQS VTSRGDLATCPRGF AVTGCTCGSACGSWDV RAETTCHCQCAGMDWTG
	WO0005259		96.3%	SES VTSRGDLATCPRGF AVTGCTCGSACGSWDV RAETTCHCQCAGMDWTG
	WO9931236			XXS VTSRGDLATCPRGF AVTGCTCGSACGSWDV RAETTCHCQCAGMDWTG
	consensus/100%			CQS VTSRGDLATCPRGF AVTGCTCGSACGSWDV RAETTCHCQCAGMDWTG
25	consensus/80%			
			100.0%	ARCCRVQP- (SEQ ID NO: 2)
			99.1%	ARCCRVQP- (SEQ ID NO: 4)
			100.0%	ARCCRVQP- (SEQ ID NO: 2)
30	WO0005259		99.1%	ARCCRVQP- (SEQ ID NO: 5)
	WO9931236		96.3%	ARCCRVQP- (SEQ ID NO: 6)
	consensus/100%			ARCCRVQP. (SEQ ID NO: 7)
	consensus/80%			ARCCRVQP (SEQ ID NO: 2)

5 Figure 5

Alignment of rat, mouse and human resistin proteins.

	rat	1	MKNLSFLLLFLFFLVLGLLG	20
	mouse		MKNLSFPLLFLFFLVPPELLG	
10	human	1	MKALCLLLLPV--LG--LLV	16
	rat	21	PSMSLCPMDEAISKKINQDF	40
	mouse		SSMPLCPIDEAIDKKIKQDF	
15	human	17	SSKTLCSMEEAINERIQUEVA	36
	rat	41	SSLLPAAMKNTVLHCWSVSS	60
	mouse		NSLFPNAIKNIGLNCWTVSS	
20	human	37	GSLIFRAISSIGLECQS梧TS	56
	rat	61	RGRLASCPEGTTVTSCSCGS	80
	mouse		RGKLASCPEGTAVLSCSCGS	
25	human	57	RGDLATCPRGFAVTGCTCGS	67
	rat	81	GCGSWDVREDTMCHCQCAGSI	100
	mouse		ACGSWDIREEKVCHCQCARI	
30	human	77	ACGSWDVRAETTCHCQCAGM	96
	rat	101	DWTAARCCTLRVGS	114 (SEQ ID NO: 13)
	mouse		DWTAARCCKLQVAS	(SEQ ID NO: 14)
35	human	97	DWTGARCCRVQP	108 (SEQ ID NO: 2)

5 Figure 6

Hematopoietic Cell Differentiation Scheme

